FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	1	91
FED. AID NO.		STP-N006(101)			

STATE OF KANSAS

DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

1. TITLE
2.–3. TYPICAL SECTIONS
4.–8. PLAN AND PROFILES
9.–11. INTERSECTION DETAILS
12.–13. CONCRETE PAVEMENT DETAILS
14. CURB & GUTTER DETAILS
15. ALLEY & ENTRANCE PAVEMENT
16. SIDEWALK
17. TYPE 10 CURB INLET
18. TYPE 12 CURB INLET
19. REINFORCED CONCRETE MANHOLE
20. PRECAST MANHOLES
21. MANHOLE FRAME AND COVER DETAILS
22. MANHOLE ADJUSTMENT DETAILS
23. REINFORCED STEEL FOR INLETS
24. REINFORCED STEEL FOR MANHOLES
25.–27. STORM SEWER PROFILES
28. SCHEDULE INLETS AND MANHOLES
29. KEY MAP–WATER LINE
30. GENERAL NOTES–WATER LINE
31. WATER ASSEMBLY DETAILS
32.–36. WATER LINE PLAN AND PROFILES
37. CONCRETE END SECTIONS
38. SUMMARY OF QUANTITIES
39.–43. TEMPORARY PROJECT WATER POLLUTION CONTROL
44. SEEDING
45.–47. BEAUTIFICATION DETAILS
48. LANDSCAPE TREE PLANTER DETAILS
49. LANDSCAPE SUMMARY AND NOTES
50.–51. TRAFFIC SIGNALIZATION PLAN
52.–54. TRAFFIC SIGNAL DETAILS
55.–56. TRAFFIC SIGNAL SUMMARY
57.–62. TRAFFIC SIGNAL SPECIFICATIONS
63.–65. PAVEMENT MARKINGS & STREET LIGHTING
66. STREET LIGHTING DETAILS & SUMMARY OF QUANTITIES
67. SUMMARY OF QUANTITIES–PAVEMENT MARKING
68. SUMMARY OF QUANTITIES–SURFACING
69.–83. TRAFFIC CONTROL PLAN
84.–91. CROSS SECTIONS

PLAN AND PROFILE OF PROPOSED

FEDERAL AID PROJECT

S. BROADWAY

FROM DEWEY TO WILLIAM

PROJECT No. 87 N-0061-01

City of Wichita, Sedgwick County

PROJ. NO. 472-82412 INDEX NO. 705863

As Builts
For SWS
On Broadway
Dewey to William

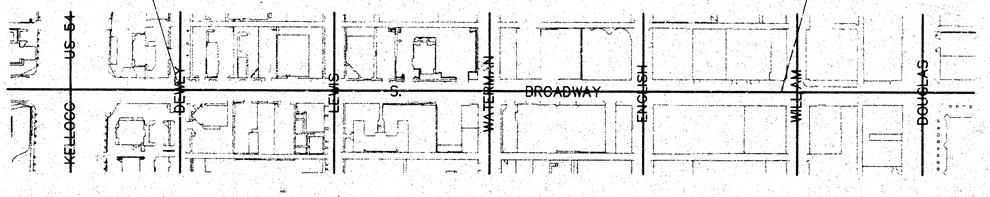
INSPECTOR: JEFF PETERSON
ENGINEER: KEN KLAG, RANDY JERR, LARRY SCHALLER
CONTRACTOR: WB CARTER

PROJ. NO. 87 N-0061-01

GRADING
SURFACING
STORM SEWER
WATER LINE (NON-PARTICIPATING)
SEEDING
LANDSCAPING
SIGNALIZATION
STREET LIGHTING
PAVEMENT MARKING

STA. 22+654.345 BEGIN
K.D.O.T. Project No.
87 N-0061-01

STA. 23+223.556 END
K.D.O.T. Project No.
87 N-0061-01



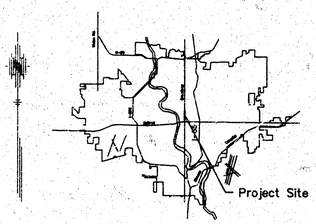
DRAWINGS 1:60mm reduced to 88.2mm

SCALE (METERS) 0 100'

15m = 30.99

DESIGN DESIGNATION

AADT	11,500 (1995)
AADT	13,000 (2015)
DHV	10%
D	60%
T	5%
V	30 MPH (50 km/h)
Clear Zone	1 m



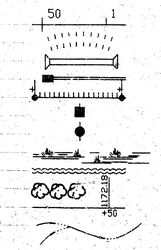
LOCATION MAP

KDOT METRIC

All dimensions shown, without a SI suffix, are in millimeters. All elevations shown are in meters.

CONVENTIONAL SIGNS

COUNTY LINE		CENTER LINE OF PROJECT	
CITY LIMITS		TERRACE	
STATE OR NATIONAL LINE		CULVERTS	
TOWNSHIP, SECTION or GRANT LINE		DROP INLET & STORM SEWER	
PROPERTY LINE		ACCESS CONTROL	
HIGHWAY FENCE		POWER POLE	
EXISTING FENCE		TELEPHONE POLE	
GUARD FENCE		MARSH	
CONSTRUCTION LIMITS		HEDGE	
RIGHT OF WAY LINE		TREES	
TRAVELED WAY		PROFILE ELEVATION	
RAILROADS		STREAM or CREEK	



GROSS LENGTH OF PROJECT	569.211	m
EXCEPTIONS	000.000	m
ADDITIONS	000.000	m
NET LENGTH OF PROJECT	569.211	m
NET LENGTH OF BRIDGES	000.000	m
NET LENGTH OF ROAD	569.211	m

STEVEN A. BOOKER LICENSED 12/23/98 7017 PROFESSIONAL ENGINEER

PLANS PREPARED BY :
Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

APPROVED :
W. Wind S. Smith
DATE 4-8 1999

KANSAS DEPT. OF TRANSPORTATION
RECOMMENDED FOR APPROVAL

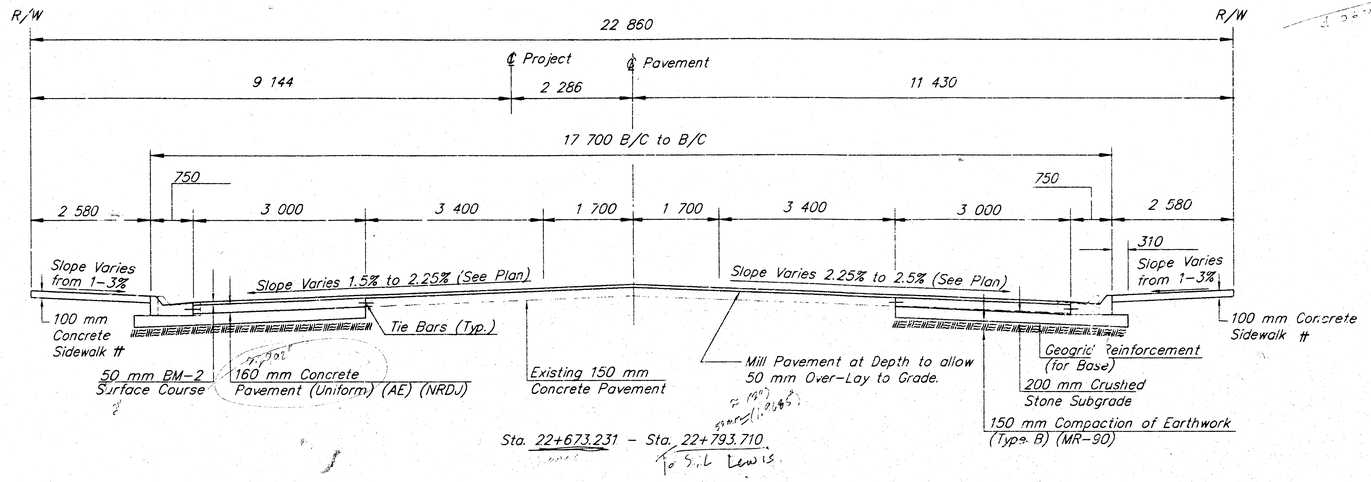
CHIEF, LOCAL PROJECTS

APPROVED : DATE :

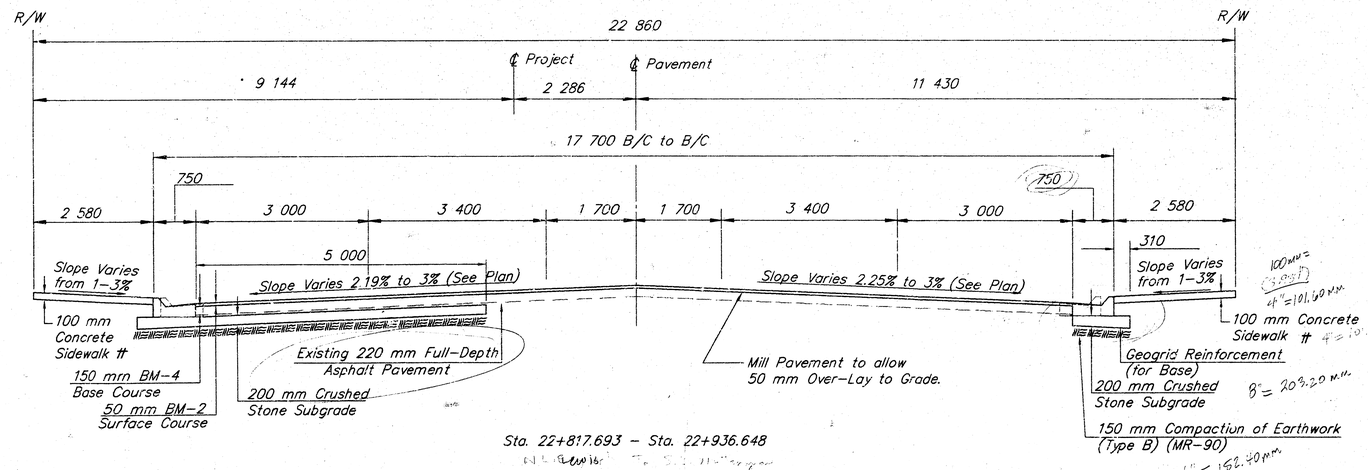
STATE TRANSPORTATION ENGINEER

SURVEYED
PLOTTED
INKED
DESIGNED
SQUAD

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	2	91



Sta. 22+673.231 – Sta. 22+793.710



Sta. 22+817.693 – Sta. 22+936.648

GENERAL NOTES

Excavation, shown to be wasted shall be wasted on sites provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance, and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.

All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to US Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archeological investigations unless buried in a previously approved borrow location.

Public and private utility facilities shall be moved or adjusted as necessary by the owners to fit the new construction unless otherwise noted on the plans or in the proposal. Utility locations shown are approximate. Contractor to contact utility owner for exact locations.

The Contractor shall be responsible for preserving property irons which are shown on plans. The Contractor shall be required to reestablish any property irons which have been shown and which are damaged or destroyed by his construction operations. Such irons shall be reestablished by a registered land surveyor in accordance with state laws. No separate measurement of payment will be made for this work as it shall be considered Subsidiary to other items in the contract. Where property irons were located as part of the design survey they have been shown and noted on the plans.

All labor, materials, and equipment necessary to make connections to existing pipe or existing small structures shall not be paid for directly, but shall be Subsidiary to other items of the contract.

Where saw cut is indicated for removal of existing material, the cut shall be at full depth of the existing material. Saw cut shall be considered Subsidiary to the various surfacing items involved.

Existing Manhole and Inlet rings, grates, and covers to be removed, shall remain the property of the City of Wichita and be stockpiled at a site designated by the City within the Right-of-Way.

All easements and additional Right-of-Way to be furnished by the City of Wichita (Unless otherwise noted).

Trees and shrubs in public Right-of-Way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

Trees and shrubs to be removed are marked thus: ⊗
Tree and Shrub disposal areas and/or disposal methods shall be approved by the Engineer.

All embankment shall be compacted to the requirements for (Type B)(MR-90).

Existing brick sidewalks shall be removed and reset as required. Excess brick shall be stockpiled on the right-of-way to be picked up by the City or owner. All labor, materials and equipment necessary shall not be paid for directly, but shall be Subsidiary to Sidewalk Construction.

The Contractor shall be responsible for the disposal of the millings on approved sites, as previously stated. The City does not want the millings.

Existing tree well grates to be removed shall be stored on site for removal by the City. The City will return grates to adjacent property owner.

See Sheet 66 for street lighting foundations and conduit before installation.

Last Plot-Date: 05/19/98 Plot-Time: 5:16 A.M.

SURV. | PLOT CADD | DES. KEM | DR. VLW | TR. | CKD. KEM | APP.

F:\K9542\TYP1
SCALE: 1"=1'

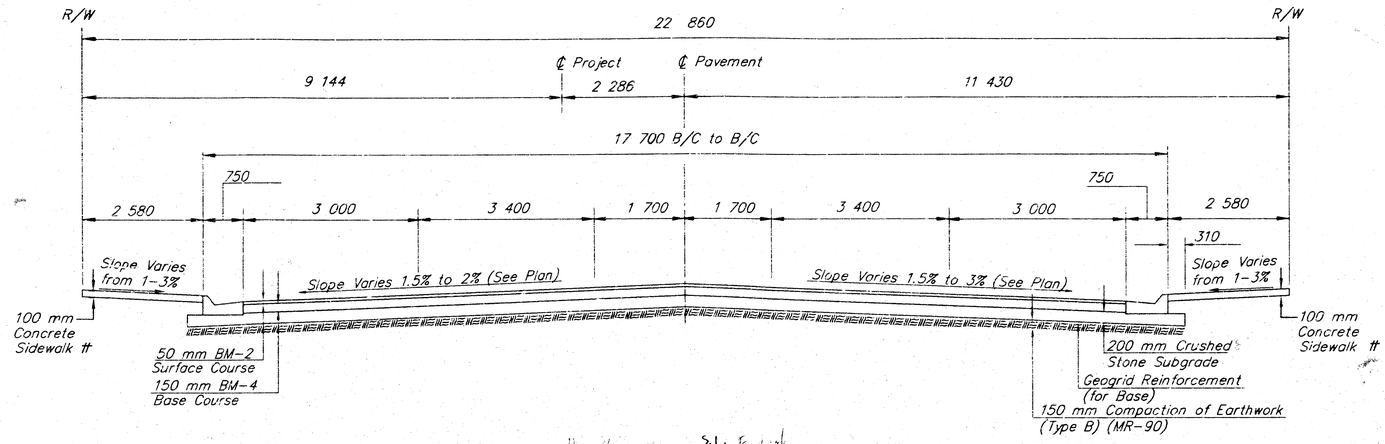
CITY OF WICHITA
DEWEY TO WILLIAM
TYPICAL SECTIONS
S. BROADWAY

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

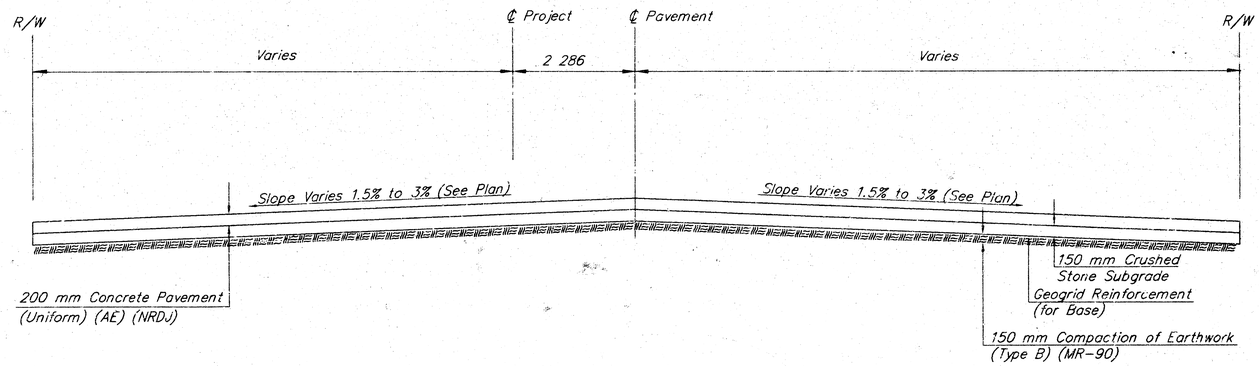
SCALE	DATE	DWG. NO.
		K9542

Sheet

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1997	3	91



Sta. 22+962.221 – Sta. 23+079.055
Sta. 23+105.320 – Sta. 23+223.556



Sta. 22+654.345 – Sta. 22+673.231
Sta. 22+793.710 – Sta. 22+818.079
Sta. 22+936.648 – Sta. 22+962.221
Sta. 23+079.055 – Sta. 23+105.320
Sta. 23+223.556 – Sta. 23+229.950

See Sheet 66 for Street lighting foundations and conduit before installation.

Last Plot-Date: 05/28/98 Plot-Time: 6:50 A.M.

SURV.	PLOT CADD	DES.	DR.	TR.	CKD.	APP.

F:/K9542/TYP2
SCALE: 1"=1'

CITY OF WICHITA
DEWEY TO WILLIAM
TYPICAL SECTIONS
S. BROADWAY

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

SCALE	DATE	DWG. NO. K9542

Sheet 3

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	4	91

GENERAL NOTE

THE GEOLOGICAL INFORMATION SHOWN ON THESE PLANS IS FROM STUDIES MADE IN THE FIELD AND REPRESENTS THE BEST INFORMATION AVAILABLE TO THE KANSAS DEPARTMENT OF TRANSPORTATION.

AT BORROW AREA LOCATIONS ADJACENT TO THE RIGHT OF WAY, UTILITY POLES MAY BE SET AT THE PERMANENT LOCATIONS PRIOR TO CONSTRUCTION AS APPROVED BY THE ENGINEER PROVIDED A MINIMUM VERTICAL CLEARANCE, IN ACCORDANCE WITH THE NATIONAL ELECTRICAL SAFETY CODE, IS OBTAINED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND THESE POLES TO COMPLETE THE WORK.

ALL BORROW TO BE OBTAINED FROM AREAS PROVIDED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER, BOTH AS TO SUITABILITY OF MATERIAL AND SITE LOCATION. LOCATIONS WHICH, IN THE OPINION OF THE ENGINEER, CONTAIN UNSUITABLE MATERIAL OR WILL LEAVE AN UNSIGHTLY APPEARANCE ON THE PROJECT WILL NOT BE APPROVED.

CHANNELS SHALL BE CUT AT BOX CULVERTS (UNLESS OTHERWISE NOTED) TO FLOW LINE ELEVATIONS AND TO A WIDTH OF ONE FOOT OUTSIDE OF EACH OUTSIDE WALL AND WITH SLOPES 2 TO 1 PRIOR TO CONSTRUCTION OF THE CULVERT.

EMBANKMENT QUANTITIES FOR INITIAL CONSOLIDATION AND SETTLEMENT SHOWN IN THE EARTHWORK QUANTITIES ARE SUBSIDIARY TO OTHER EARTHWORK ITEMS. MATERIAL FOR THE EMBANKMENT IS INCLUDED IN THE EXCAVATION QUANTITIES.

EXCAVATION REQUIRED FOR PLACING SELECT SOIL IS INCLUDED IN THE COMMON EXCAVATION QUANTITIES.

WHERE EASEMENTS ARE SHOWN ON RAILROAD RIGHT OF WAY, THE CONTRACTOR SHALL BE REQUIRED TO WORK AROUND AND NOT DISTURB THE RAILROAD COMMUNICATION OR SIGNAL POLES OR LINES.

EXCAVATION SHOWN TO BE WASTED SHALL BE WASTED ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER WILL LEAVE AN UNSIGHTLY APPEARANCE, WILL NOT BE APPROVED.

SCALE

PLAN: Lat. & Long. (meters) 5 0 5 10

PROFILE: Horiz. same as above Vert.

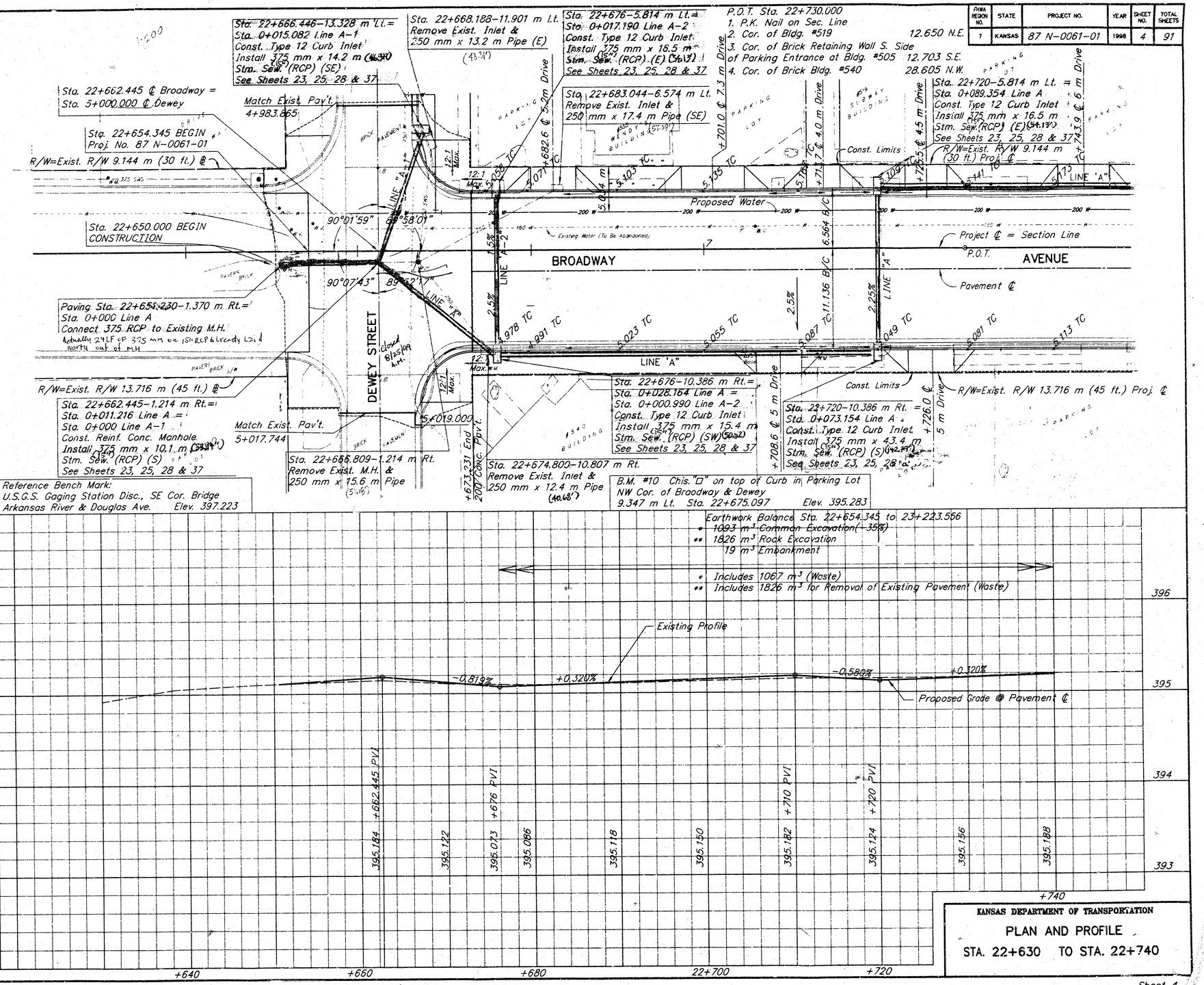
1:200

0 0.5

Last Plot-Date: 05/18/98 Plot-Time: 1:34 P.M.

APP. CKD. TR. DR. DES. PLOT CADD SURV.

C:\K9542\1PP
SCALE 1:200



UTILITIES

Kansas Gas & Electric Co.
P.O. Box 208
Wichita, KS. 67201
316-261-6611

Wichita Storm Sewer Dep't
455 N. Main
Wichita, KS 67202
316-268-4461

Wichita Water Dep't
455 N Main
Wichita, KS 67202
316-268-4555

Wichita Sanitary Sewer Dep't
455 N. Main
Wichita, KS 67202
316-268-4555

KGE Gas Service
1021 E. 26th N.
Wichita, KS 67219
316-832-3101

Kansas One-Call Inc.
8100 E. 22nd., Bldg. 1700
Wichita, KS 67226
316-687-2470

KANSAS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

STA. 22+630 TO STA. 22+740

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	5	91

Sta. = 22+752–5.814 m Lt. =
Sta. 0+122.344 Line A
Const. Type 12 Curb Inlet
Install 375 mm x 31.4 m (123.40')
Stm. Sew. (RCP) (S)
See Sheets 23, 25, 28 & 37

Sta. 22+800.164–12.576 m Lt. =
Sta. 0+006.313 Line B–1
Const. Type 12 Curb Inlet
Install 375 mm x 5.9 m (19.34')
Stm. Sew. (RCP) (N)
See Sheets 23, 25, 28 & 37

Sta. 22+805.688 ℄ Broadway =
Sta. 5+000.000 ℄ Lewis

Sta. 22+806.477–12.576 m Lt. =
Sta. 0+000 Line B =
Sta. 0+000 Line B–1 =
Sta. 0+000 Line B–2
Const. Reinf. Conc. Manhole

Sta. 22+811.060–12.576 m Lt. =
Sta. 0+004.583 Line B–2
Const. Type 12 Curb Inlet
Install 375 mm x 4.2 m (13.76')
Stm. Sew. (RCP) (S)
See Sheets 23, 25, 28 & 37

Sta. 4+986.421
Match Exist. Pav't.
Sta. 22+806.470–9.320 m Lt. =
Sta. 0+003.256 Line B
Adjust Manhole
Connect to Exist. M.H.
Install 375 m x 2.2 m (7.12')
Stm. Sew. (RCP) (W)
See Sheets 23, 25, 28 & 37

Sta. 22+820–5.814 m Lt. =
Sta. 0+018.008 Line B
Const. Type 12 Curb Inlet
Install 375 mm x 12.8 m
Stm. Sew. (RCP) (SW) (41.99')
See Sheets 23, 25, 28 & 37

~~Sta. 22+818.312–6.576 m Lt.~~
Remove Exist. Inlet &
375 mm x 11.0 m Pipe (S.)
(36.09')

P.O.T. Sta. 22+875.000
1. P.K. Nail on Sec. Line
2. Cor. of Conc. Patio Deck @ McDonalds #411 — 17.203 S.E.
3. Cor. of the N. Wing of Bldg. #428 — 30.211 N.W.
4. Cor. of the N. Wing of Bldg. #428 — 30.802 S.W.

Sta. 22+820–10.386 m Rt. =
Sta. 0+034.208 Line B
Const. Type 12 Curb Inlet
Install 375 mm x 16.5 m
Stm. Sew. (RCP) (W) (54.12')
See Sheets 23, 25, 28 & 37

5+017.158 Match Exist. Pav't.

Sta. 22+813.207–10.808 m Rt.
Remove Exist. Inlet &
375 mm x 17.2 m Pipe (W)
(56.43')

B.M. #11 60d Spk. Step in Power Pole
NW Cor. Broadway & Lewis
9.217 m Lt. Sta. 22+812.528 Elev. 395.469

4+988.421 End Bit. Pav't.

+793.710 Begin 200 Conc. Pav't. W/ 150 Reinf. Crushed Stone Subgrade

+818.079 End 200 Conc. Pav't.

+743.9 ℄ 6 m Drive
+746.0 ℄ 5.2 m Drive
+760.6 ℄ 7.3 m Drive
+787 ℄ 5.8 m Drive
+853.0 ℄ 6 m Drive
+863.7 ℄ 8.3 m Drive

Const. Limits
R/W=Exist. R/W 9.144 m (30 ft.) Proj. ℄
R/W=Exist. R/W 13.716 m (45 ft.) Proj. ℄
R/W=Exist.R/W 10.668 m (35 ft.)
Proposed Water
Existing Water (To be abandoned)
Project ℄ = Section Line
Pavement ℄
LINE "A"
LINE "B"
LINE "B-1"
LINE "B-2"
BROADWAY
AVENUE
LEWIS
89°59'14"
90°00'46"
90°06'00"
89°54'00"
P.O.T.
B/C
Earthwork Balance – See Sheet 4
Existing Profile @ Pavement ℄
Proposed Grade @ Pavement ℄
+0.320%
+0.746%
-1.139%
+0.320%
-0.170%
+790 PVI
+805.668
+820 PVI
+860 PVI
+880
395.188
395.220
395.252
395.284
395.316
395.348
395.423
395.425
395.416
395.302
395.334
395.366
395.398
395.430
395.413
395.386
+740
+760
+780
22+800
+820
+840
+860
396
395
394

SCALE
PLAN: Lat. & Long. (meters) 5 0 5 10
PROFILE: Horiz. same as above Vert. 0.5

KANSAS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA. 22+740 TO STA. 22+880

SURV. | PLOT | CADD | DES. KEM | DR. VLW | TR. | CKD. KEM | APP.
© \X8542\2PP SCALE 1:200

Last Plot-Date: 05/28/98 Plot-Time: 6:48 A.M.

Sheet 5

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	6	91

SCALE 0 5 10

PLAN: Lat. & Long. (meters)
PROFILE: Horiz. same as above Vert.

Sta. 22+895-5.814 m Lt.=
Sta. 0+079.147 Line C
Const. Type 12 Curb Inlet
Install 375 mm x 16.5 m (54.1')
Stm. Sew. (RCP) (E)
See Sheets 23, 26, 28 & 37

Sta. 22+941.258-11.367 m Lt.=
Sta. 0+015.057 Line E
Const. Type 12 Curb Inlet
Install 375 mm x 14.7 m (48.22')
Stm. Sew. (RCP) (NW)
See Sheets 23, 26, 28 & 37

Sta. 22+948.903 ℄ Broadway =
Sta. 5+000.000 ℄ Waterman (W)

Sta. 22+956.300-12 m Lt.=
Sta. 0+000 Line E
Adjust M.H.
Connect To Exist. M.H.

Sta. 22+957.400-11.6 m Lt.
Exist. Inlet to Remain
Patch Hole (E). Cost of
Patching to be Subsidiary
to Removal of Pipe

P.O.T. Sta. 23+020.0000
1. P.K. Nail on Sec. Line
2. Cor. of Parking Garage #303 — 18.200 S.E.
3. Cor. of Stepin Out Dance Bldg. #322 — 15.700 N.W.
4. Cor. of Bldg. #333 — 24.153 N.E.

Sta. 22+980-5.814 m Lt.=
Sta. 0+017.190 Line D-1
Const. Type 12 Curb Inlet
Install 375 mm x 16.5 m
Stm. Sew. (RCP) (E)
See Sheets 23, 27, 28 & 37

Sta. 22+960.700-6.574 m LT.
Remove Exist. Inlet &
375 mm x 5.3 m Pipe (SW)

Sta. 22+895-10.386 m Rt.=
Sta. 0+062.947 Line C
Const. Type 12 Curb Inlet
Install 450 mm x 61.1 m (200.46')
Stm. Sew. (RCP) (N)
See Sheets 23, 26, 28 & 37

Sta. 22+949.803 ℄ Broadway =
Sta. 5+000.000 ℄ Waterman (E)

Sta. 22+956.94-9.920 m Rt. =
Sta. 0+000 Line C=
Sta. 0+000 Line D
Adjust M.H.
Connect To Exist. M.H.

Sta. 22+961.700-10.808 m Rt.
Remove Exist. Inlet &
375 mm x 4.0 m Pipe (S)

B.M. #12 Chis. "□" on top of Curb
NE Cor. Broadway & Waterman
13.887 m Rt. Sta. 229+60.604 Elev. 395.641

Sta. 22+980-10.386 m Rt.=
Sta. 0+023.107 Line D=
Sta. 0+000.990 Line D-1
Const. Type 12 Curb Inlet
Install 600 mm x 22.3 m
Stm. Sew. (RCP) (SW)
See Sheets 23, 27, 28 & 37

Sta. 22+997-8.533 m Rt.=
Sta. 0+040.345 Line D
Const. Reinf. Conc. Manhole
Install 450 mm x 16.4 m
Stm. Sew. (RCP) (SE)
See Sheets 23, 27, 28 & 37

Project ℄ = Section Line
Pavement ℄
Existing Water (To Be Abandoned)
Proposed Water
BROADWAY
AVENUE
WATERMAN
STREET
LINE 'C'
LINE 'D'
LINE 'D-1'
LINE 'E'
Const. Limits
R/W=Exist. R/W 9.144 m (30 ft.) Proj. ℄
R/W=Exist. R/W 13.716 m (45 ft.) Proj. ℄
R/W=Exist. R/W 10.668 m (35 ft.) ℄
+924.7 ℄ 10.7 m Drive
+903.9 ℄ 6.8 m Drive
+919.1 ℄ 6.8 m Drive
+968.8 ℄ 7.3 m Drive
+970.0 ℄ 7.6 m Drive
+017.0 ℄ 7.5m Drive
4+989.429 End Bit. Pavt.
4+987.429 Match Exist. Pavt
5+015.157 Match Exist. Pavt.
+936.648 Begin 200 Conc. Pavt. #150 Reinf. Crushed Stone Subgrade.
+962.221 End 200 Conc. Pavt.
90°00'28"
89°59'32"
90°02'55"
89°57'05"
P.O.T.
23+000
2.5%
11.13%
11.136 B.C.
6.5% B.C.
2.58%
2.5 M

Earthwork Balance - See Sheet 4

Existing Profile
Proposed Grade @ Pavement ℄
-0.170%
+0.204%
+0.866%
0.637%
-0.320%
+0.320%
395.336
395.379
395.371 +895 PVI
395.381
395.401
395.421
395.441
395.435 +936.648 PVI
395.484
395.565 +949.353 PVI
395.497
395.483 +962.221 PVI
395.438
395.426 +980 PVI
395.458
395.490
395.522
395.554
395.586
+880
22+900
+920
+940
+960
+980
23+000
+020
396
395
394

KANSAS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

STA. 22+880 TO STA. 23+020

Sheet 6

Last Plot-Date: 05/18/98 Plot-Time: 10:46 A.M.
SURV. PLOT CADD DES. DR. TR. CKD. APP.
C:\K9342\JPP
SCALE 1:500

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	7	91

SCALE 5 0 5 10

PLAN: Lat. & Long. (meters)
PROFILE: Horiz. same as above Vert.

P.O.T. Sta. 23+165.000
1. P.K. Nail on Sec Line 12.000 E.S.E.
2. Center of K.G.E. M.H. 7.452 W.S.W.
3. Center of K.G.E. M.H. 11.653 N.E.
4. Cor. of Bldg. #217

Sta. 23+092.075 ℄ Broadway=
Sta. 5+000.000 ℄ English (W)

Remove Tree Well Grates (6)
See General Notes Sheet 2

+050.614 ℄ 8m Drive
+067.114 ℄ 5m Drive
+145.2 ℄ 5m Drive

4+987.433
Match Exist. Pav't

Const. Limits
R/W=Exist. R/W 9.144 m (30 ft.) Proj. ℄
Proposed Water
Project ℄ = Section Line BROADWAY
Pavement ℄

STREET
AVENUE

90°00'36" 89°59'24"
90°05'43" 89°54'17"

6.564 B/C
6.564 B/C
P.O.T.

LINE 'D'
LINE 'D-2'
LINE ENGLISH

Sta. 0+211.472
4'-0" Type B
28.55 m x 450mm RCP
South

NEW Location

5+015.151
Match Exist. Pav't

+062.2 ℄ 7.3 m. Drive
+079.055 Begin 200 Conc. Pav't. w/150 Reinf. Crushed Stone Subgrade
+105.320 End 200 Conc. Pav't.
+021.8 ℄ 17.6 m Drive

R/W=Exist. R/W 10.668 m (35 ft.) ℄

Sta. 23+050-10.386 m Rt.=
Sta. 0+093.422 Line D
Const. Type 12 Curb Inlet
Install 450 mm x 52.2 m
Stm. Sew. (RCP) (SW) (171.26')
See Sheets 23, 27, 28 & 37

B.M. #13 Chis. "+" on N. side K.G.&E. Manhole Ring
SW Cor. of Broadway & English
6.854 m Lt. Sta. 230+82.717 Elev. 395.628

Sta. 23+092.923 ℄ Broadway=
Sta. 5+000.000 ℄ English (E)

Sta. 23+140-10.386 m Rt.=
Sta. 0+183.422 Line D=
Const. Type 12 Curb Inlet
Install 450 mm x 89.4 m
Stm. Sew. (RCP) (S) (293.31')
See Sheets 23, 27, 28 & 37

DELETED

Type 10 instead of Type 12
0+203.422
4.45 m x 450mm RCP
STA 0+203.422
Line D

Earthwork Balance - See Sheet 4

Existing Profile
Proposed Grade @ Pavement ℄
+0.320%
+0.464%
-0.320%

+677 PVI
+092.923 PVI
+160 PVI

395.534 395.586 395.618 395.650 395.682 395.714 395.736 395.750 395.796 395.810 395.787 395.745 395.723 395.691 395.659 395.627 395.595

396
395
394

+020 +040 +060 +080 23+100 +120 +140 +160

KANSAS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

STA. 23+020 TO STA. 23+160

Sheet

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	8	91

SCALE 5 0 5 10

PLAN: Lat. & Long. (meters)
PROFILE: Horiz. same as above Vert.

P.O.T. Sta. 23+285.000
1. P.K. Nail on Sec. Line
2. Cor. of Bldg. #124 — 15.504 N.W.
3. Cor. of Bldg. #104 — 18.551 S.W.
4. Cor. of New State Bldg. #230 — 18.850 N.E.

Sta. 23+160–5.814 m Lt.=
Sta. 0+017.190 Line D-2
Const. ~~Type 12~~ Curb Inlet CHANGED TO TYPE 10
Install 375 mm x 16.5 m
Stm. Sew. (RCP) (E)
See Sheets 23, 27, 28 & 37

Sta. 23+185–5.814 m Lt.=
Sta. 0+245.082 Line D
Const. Type 10 Curb Inlet
Install 375 mm x 16.5 m
Stm. Sew. (RCP) (E)
See Sheets 23, 27, 28 & 37

Sta. 23+222.5–5.814 m Lt.=
Sta. 0+008.655 Line F
Const. Type 10 Curb Inlet
Install 300 mm x 17.8 m
Stm. Sew. (RCP) (SE)
300 mm x 7.9 m
Stm. Sew. (RCP) (NW)
See Sheets 23, 26, 28 & 37

Sta. 23+222.5–4.800 m Lt.
Remove Existing Inlet & 250 mm x 8.1 m Pipe (NW)

Sta. 23+228.842–11.413 m Lt.=
Sta. 0+000 Line F
Connect 300 RCP to Exist. Inlet

Sta. 23+229, 9 m Lt.
Extend Brick Pavers
See Note **

Sta. 23+225.5, 5 m Lt.
Extend Brick Pavers
See Note **

Sta. 23+236.182 ℄ Broadway
Sta. 5+000.000 ℄ William

Sta. 23+223.556 END
Proj. No. 87 N-0061-01

Remove Trees (2)

Sta. 23+222.5–9.800 m Rt.
Remove Existing Inlet & 375 mm x 14.6 m Pipe (W) (15")

Sta. 23+160–10.386 m Rt.=
Sta. 0+203.422 Line D=
Sta. 0+000.990 Line D-2
Const. ~~Type 12~~ Curb Inlet CHANGED TO: Install 450 mm x 19.4 m Type 10
Stm. Sew. (RCP) (S) (60.05m) due To clearance problems w/ Kdot
See Sheets 23, 27, 28 & 37

Sta. 23+185–10.386 m Rt.=
Sta. 0+228.882 Line D
Const. Type 10 Curb Inlet
Install (15") 375 mm x 24.4 m
Stm. Sew. (RCP) (S) (60.05m)
See Sheets 23, 27, 28 & 37

Sta. 23+216.000–10.386 m, Rt.=
Sta. 0+026.155 Line F
Const. Type 10 Curb Inlet
See Sheets 23, 26, 28 & 37

Sta. 23+225.5 10 m Rt.
Extend Brick Pavers
See Note **

Sta. 23+229 13 m Rt.
Extend Brick Pavers
See Note **

** NOTE: Contractor shall extend brick pavers to match new curb line. Pavers, pattern and construction method shall match existing or approved equal. Extension of pavers shall be bid per m². No separate measurement or payment will be made for materials, labor, tools or incidentals necessary to complete the work. See Sheet 11 for detail.

B.M. #14 Ch.is. "□" on Top Curb 180' N. & 35' W. of Broadway & William
8.822m Lt. Sta. 232+92.540 Elev. 395.651

BROADWAY
AVENUE
STREET
WILLIAM
LINE "D-2"
LINE "D"
LINE "F"
Project ℄ = Section Line
Pavement ℄
Const. Limits
R/W=Exist. R/W 9.144 m (30 ft.) Proj. ℄
R/W=Exist. R/W 13.716 m (45 ft.) Proj. ℄
P.O.T.
+178.656 ℄ 3.5 m Drive
+191.350 ℄ 3 m Drive
+198.541 ℄ 3.75 m Drive
+223.556 P.I. Match Exist. Pavement
6.564 B/C
1.36 B/C
2.0%
89°53'49"
90°06'11"
Existing Water
Existing Sanitary Sewer
Existing Storm Sewer
Cable TV
UGE
SS M.H.
T.E. M.H.
ELEC. M.H.
ELEC. VAULT

Earthwork Balance – See Sheet 4

Existing Profile
Proposed Grade @ Pavement ℄
+0.320%
-0.320%
+0.330%
-0.320%

PVI	Elevation
+160	395.595
+170	395.627
+185	395.595
+205	395.628
+220	395.645
MATCH EXIST. PAVEMENT +223.556	395.629
	395.547

396
395
394
+160
+180
23+200
+220
+240
+260
+280
23+300

KANSAS DEPARTMENT OF TRANSPORTATION

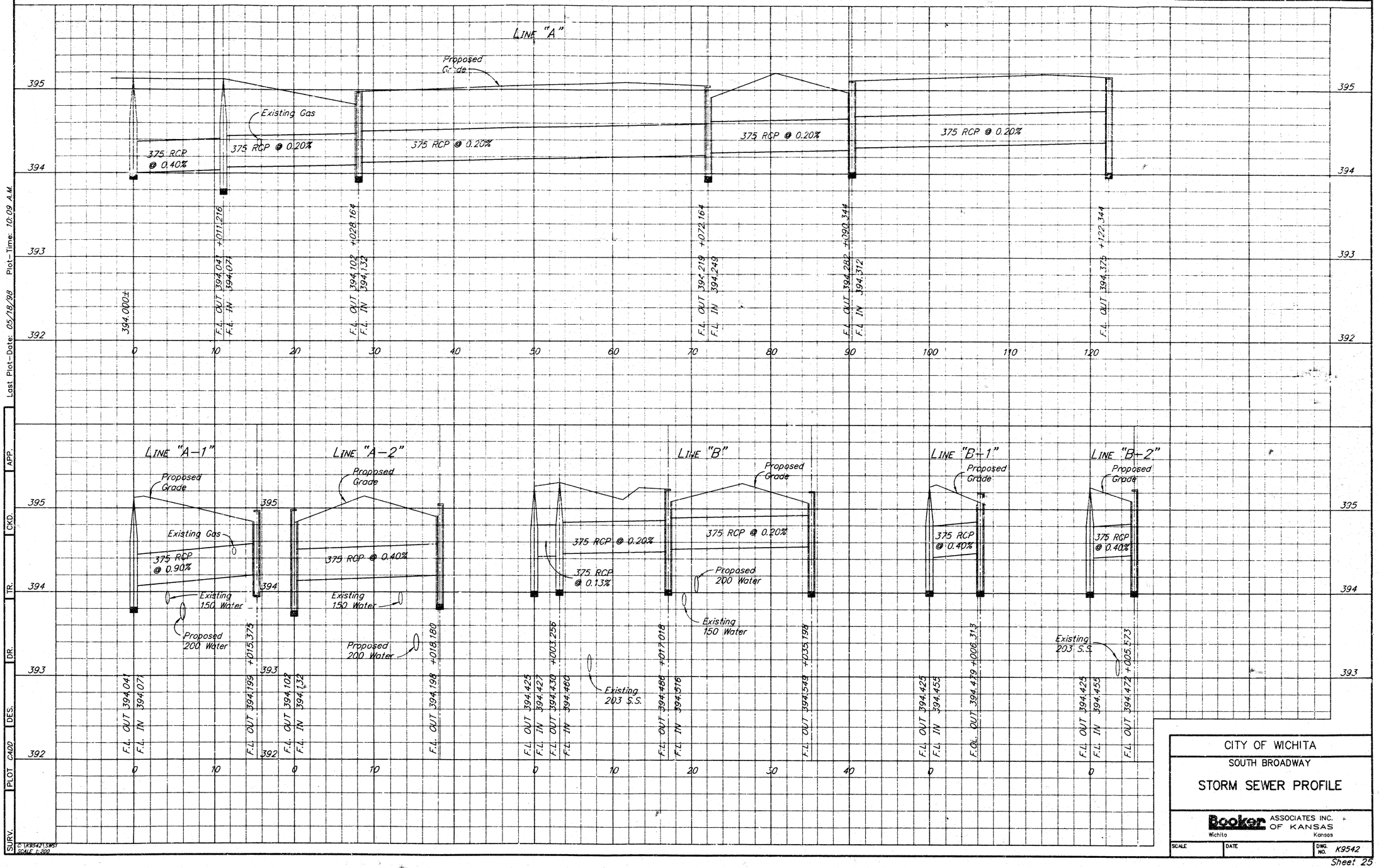
PLAN AND PROFILE

STA. 23+160 TO STA. 23+300

Sheet

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	25	91

NO CHANGES



Last Plot-Date: 05/18/98 Plot-Time: 10:09 A.M.

APP. CKD. TR. DR. DES. CADD PLOT SURV.

C:\K9542\SW1
SCALE 1:200

CITY OF WICHITA

SOUTH BROADWAY

STORM SEWER PROFILE

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

SCALE	DATE	DWG. NO. K9542

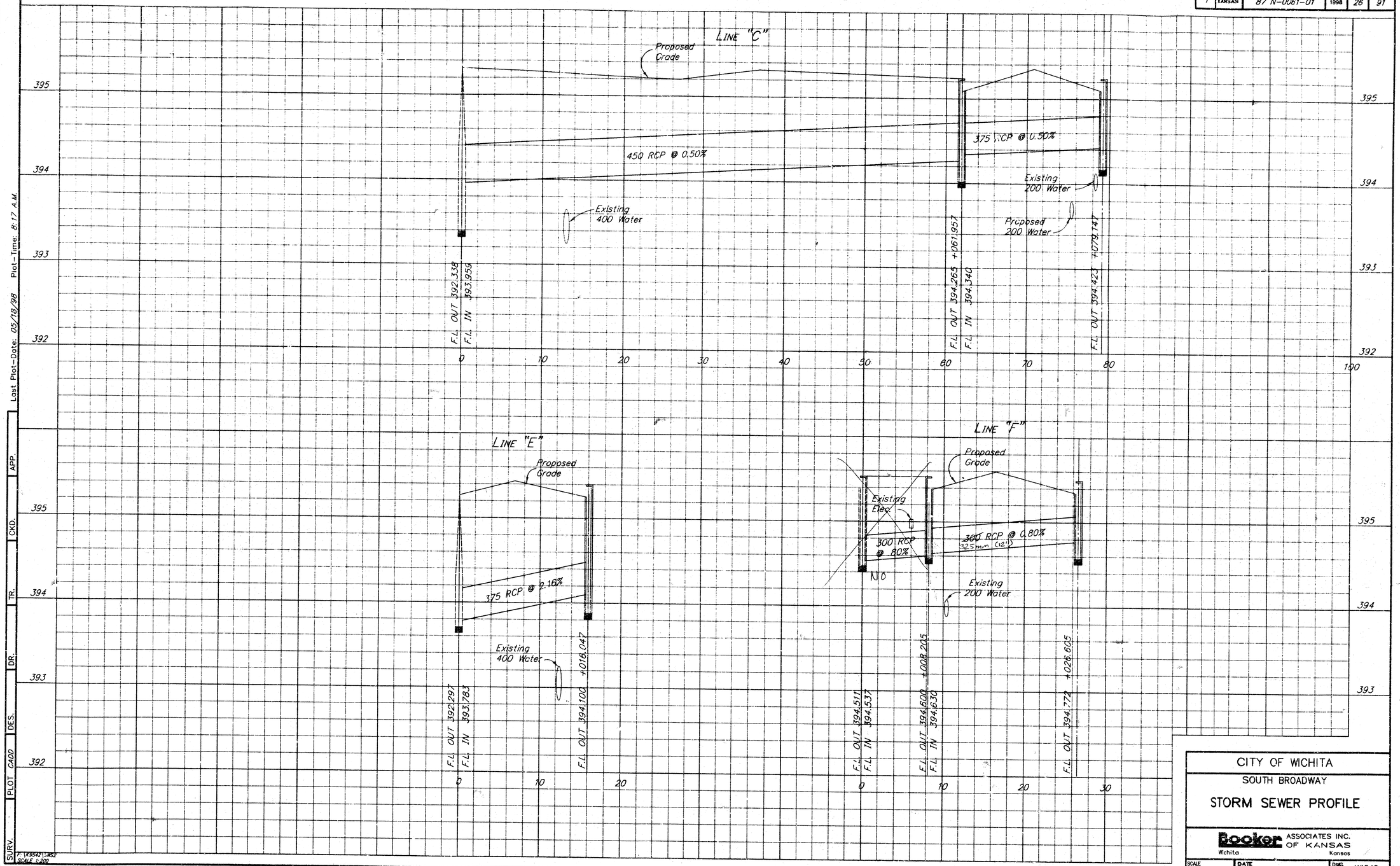
Sheet 25

FHWA REGION NO	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	26	91

Last Plot-Date: 05/18/98 Plot-Time: 8:17 A.M.

SURV. PLOT CADD DES. DR. TR. CKD. APP.

P:\K9542\SR2
SCALE 1:200



CITY OF WICHITA

SOUTH BROADWAY

STORM SEWER PROFILE

Booker ASSOCIATES INC. OF KANSAS
Wichita Kansas

SCALE	DATE	DWG. NO. K9542

Sheet 26

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0061-01	1998	27	91

Last Plot-Date: 05/18/98 Plot-Time: 9:04 A.M.

SURV. PLOT CADD DES. DR. TR. CKD. APP.

LINE "D-1"

Proposed Grade

Existing 200 Water

375 RCP @ 3.0%

Proposed 200 Water

F.L. OUT 393.243 F.L. IN 393.468

F.L. OUT 393.963 +018.180

LINE "D-2"

+1.7T Proposed Grade

375 RCP @ 2.2%

Existing 200 Water

F.L. OUT 394.124 F.L. IN 394.507

F.L. OUT 394.870 +018.180

No Change

LINE "D"

Proposed Grade

600 RCP @ 0.32%

450 RCP @ 0.32%

F.L. OUT 392.338 F.L. IN 393.172

F.L. OUT 393.243 +027.107 F.L. IN 393.393

F.L. OUT 393.445 +040.345 F.L. IN 393.475

F.L. OUT 393.642 +093.422 F.L. IN 393.672

LINE "D"

Proposed Grade 82.4 m± 0.30%

1.95% 28.2 m

+0.15% 34.5 m±

Add MH type S

Lower W.L.

Existing 200 Water

(18") 450 mm RCP

4.550

New W.L.

450 mm RCP (18")

450 RCP @ 0.35%

Core Existing Embankment

* Bottom of pipe over conduit = 4.245 Need @ least 12" cut to skims over

Existing S.S. Top = 389.781±

Eliminated

Exist. Elec.

375 RCP @ ~~0.60%~~

no change did not install

Existing MATCH 200 Water

Exist. Elec.

Exist. Elec.

450 RCP @ ~~1.40%~~

F.L. OUT 393.642 +093.422 F.L. IN 393.672

F.L. OUT 394.545 +228.422 F.L. IN 394.575

F.L. OUT 394.672 +248.602

CITY OF WICHITA

SOUTH BROADWAY

STORM SEWER PROFILE

Booker ASSOCIATES INC. OF KANSAS

Wichita Kansas

SCALE | DATE | DWG. NO. K9542

F:\R9542\SWS\ SCALE 1:200

Sheet 27